

Title (en)

A cmos programmable logic array.

Title (de)

Programmierbares CMOS-Logik-Array.

Title (fr)

Réseau logique programmable CMOS.

Publication

EP 0254474 A1 19880127 (EN)

Application

EP 87306247 A 19870715

Priority

US 88879686 A 19860723

Abstract (en)

A programmable logic array includes a dynamic AND plane, and an OR plane using clocked load devices (M17...M20). The high precharge voltage state in the AND plane places the logic lines in the OR plane (O0...O3) in a low voltage state during precharge. The OR logic lines may then be pulled to a high level during the decode operation. A single clock having a delay path (AR) may be used to control the precharge and decode operations of the PLA.

IPC 1-7

H03K 19/177

IPC 8 full level

H03K 19/177 (2006.01)

CPC (source: EP US)

H03K 19/1772 (2013.01 - EP US)

Citation (search report)

- [A] EP 0178437 A1 19860423 - SIEMENS AG [DE]
- [A] GB 2138189 A 19841017 - AMERICAN TELEPHONE & TELEGRAPH
- [A] GB 2032663 A 19800508 - IBM
- [AP] US 4611133 A 19860909 - PETERSON BENJAMIN C [US], et al

Cited by

EP1126614A1; US6396168B2

Designated contracting state (EPC)

BE DE ES GB NL

DOCDB simple family (publication)

US 4697105 A 19870929; CA 1258498 A 19890815; DE 3782106 D1 19921112; DE 3782106 T2 19930304; EP 0254474 A1 19880127; EP 0254474 B1 19921007; ES 2035069 T3 19930416; HK 96393 A 19930924; JP H0773209 B2 19950802; JP S6333923 A 19880213

DOCDB simple family (application)

US 88879686 A 19860723; CA 542082 A 19870713; DE 3782106 T 19870715; EP 87306247 A 19870715; ES 87306247 T 19870715; HK 96393 A 19930916; JP 18241687 A 19870723